

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
29 December 2004 (29.12.2004)

PCT

(10) International Publication Number  
**WO 2004/112967 A1**

(51) International Patent Classification<sup>7</sup>: **B03C 3/76**, 3/36

(74) Agent: KOLSTER OY AB; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).

(21) International Application Number:

PCT/FI2004/000370

(22) International Filing Date: 16 June 2004 (16.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
20030935 24 June 2003 (24.06.2003) FI

(71) Applicant (for all designated States except US): ALSTOM (SWITZERLAND) LTD [CH/CH]; Brown Boveri Strasse 7, CH-5401 Baden (CH).

(72) Inventor; and

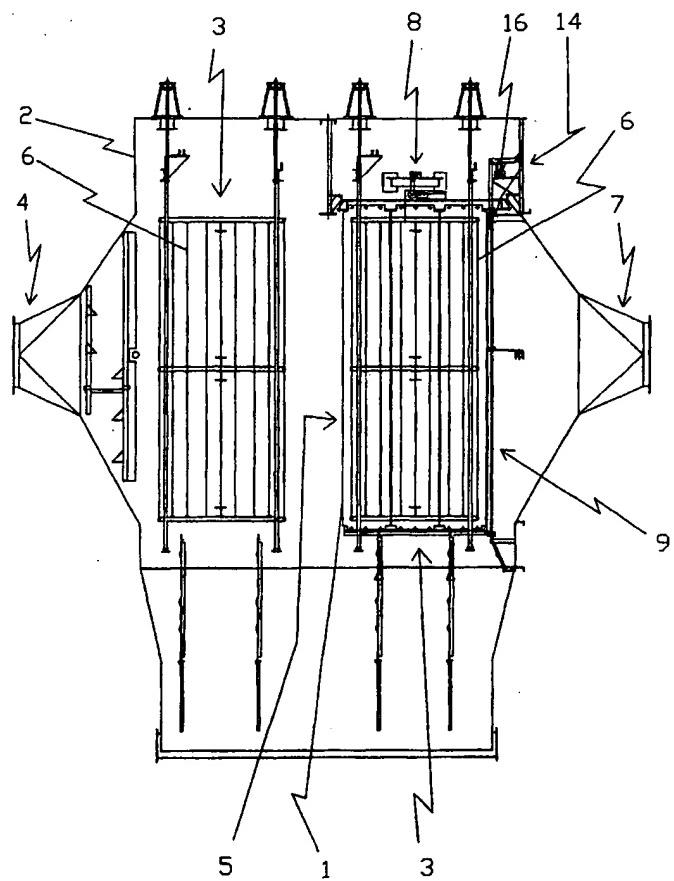
(75) Inventor/Applicant (for US only): TOLVANEN, Juha [FI/FI]; Alakiventie 1 d 44, FIN-00920 Helsinki (FI).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

*[Continued on next page]*

(54) Title: METHOD OF CLEANING ELECTRIC FILTER AND ELECTRIC FILTER



(57) Abstract: The invention relates to a method of cleaning an electric filter and to an electric filter. In the method gas containing particles is fed to a chamber (2) of the electric filter. The gas is further fed to gas channels (5) in an emission system (3) provided in the chamber (2). What is brought about is electric charging of the particles in the gas and attachment to the separation electrode (1). Gas purified of particles is removed from the gas channel (5). The separation electrode (1) is shaken with shaking means (8) to remove the particles attached to the separation electrode (1) therefrom. In this method, the gas flow is limited in such a gas channel (5) which adjoins the separation electrode (1) to be shaken by the shaking means (8) when the separation electrode (1) to be shaken by the shaking means (8) is shaken.



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

— before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

**Declaration under Rule 4.17:**

— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.